

CLAIMS

1. A method in a communication system including a mobile station (MS) capable of communicating through both a wireless connection and a wired
 5 connection, the method for switching an ongoing communication of user information between the wireless connection and the wired connection, the method comprising the steps of:

establishing, between the MS and a communication device coupled to the communication system, a first one of the wireless connection and the wired
 10 connection, the wired connection existing through a wired local area network (LAN);

communicating a first portion of the user information between the MS and the communication device through said first one of the wireless connection and the wired connection;

15 subsequently establishing, between the MS and the communication device a second one of the wireless connection and the wired connection, said second one different from said first one; and

communicating a second portion of the user information through said second one of the wireless connection and the wired connection.

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2. The method of claim 1, wherein the user information comprises a real-time multimedia communication.

3. The method of claim 1, wherein the step of establishing the second one of
 25 the wireless connection and the wired connection comprises the step of

sending from the MS an INVITE command in accordance with Session Initiation Protocol (SIP), the INVITE command including an Internet Protocol (IP) address, and at least one of a call identifier and a caller identifier.

4. A mobile station (MS) capable of communicating with a communication system through both a wireless connection and a wired connection, the MS arranged for switching an ongoing communication of user information between the wireless connection and the wired connection, the MS comprising:

5 a wireless interface for making the wireless connection;
 a wired interface for making the wired connection; and
 a processor coupled to the wireless interface and coupled to the wired interface for controlling the MS, wherein the processor is programmed to cooperate with the wired and wireless interfaces to:

10 establish, between the MS and a communication device coupled to the communication system, a first one of the wireless connection and the wired connection, the wired connection existing through a wired local area network (LAN);

 communicate a first portion of the user information between
15 the MS and the communication device through said first one of the wireless connection and the wired connection;

 subsequently establish, between the MS and the communication device a second one of the wireless connection and the wired connection, said second one different from said first one; and

20 communicate a second portion of the user information through said second one of the wireless connection and the wired connection.

5. The MS of claim 4, wherein the user information comprises a real-time multimedia communication.

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6. The MS of claim 4, wherein in establishing the second one of the wireless connection and the wired connection, the processor is further programmed to:

5 send from the MS an INVITE command in accordance with Session Initiation Protocol (SIP), the INVITE command including an Internet Protocol (IP) address, and at least one of a call identifier and a caller identifier.

7. The MS of claim 4, wherein the wired interface comprises a short-range wireless device for communicating between the MS and the LAN.

8. A module in a mobile station (MS) capable of communicating with a communication system through both a wireless connection and a wired connection, the module arranged for switching an ongoing communication of user information between the wireless connection and the wired connection, the

5 module comprising:

a wireless interface for making the wireless connection;

a wired interface for making the wired connection; and

a processor coupled to the wireless interface and coupled to the wired interface for controlling the MS, wherein the processor is programmed to

10 cooperate with the wired and wireless interfaces to:

establish, between the MS and a communication device coupled to the communication system, a first one of the wireless connection and the wired connection, the wired connection existing through a wired local area network (LAN);

15 communicate a first portion of the user information between the MS and the communication device through said first one of the wireless connection and the wired connection;

subsequently establish, between the MS and the communication device a second one of the wireless connection and the wired connection, said second one different from said first one; and

20 communicate a second portion of the user information through said second one of the wireless connection and the wired connection.

9. The module of claim 8, wherein the user information comprises a real-
25 time multimedia communication.

10. The module of claim 8, wherein in establishing the second one of the wireless connection and the wired connection, the processor is further programmed to:

- send from the MS an INVITE command in accordance with Session
- 5 Initiation Protocol (SIP), the INVITE command including an Internet Protocol (IP) address, and at least one of a call identifier and a caller identifier.

11. The module of claim 8, wherein the wired interface comprises a short-range wireless device for communicating between the MS and the LAN.

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